Student Name: _____ **Room number:** _____

ANSWERS CANNOT BE ERASED ONCE WRITTEN DOWN

#	Answer	Points (0/1)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Total:

Problems

1. How many digits does the product 121×11 have?

2. Benny the bat flaps his wings once every second. How many times does Benny flap his wings in 2 and a half minutes?

3. There is a 20% chance of rain tomorrow. If it rains, there is a 50% chance of meatballs. However, if it doesn't rain, there is only a 10% chance of meatballs. What is the chance that it will be raining and have meatballs tomorrow?

4. What is the remainder when eight hundred forty-three billion, two hundred fifty-nine million, two hundred seventeen thousand, and ninety-two is divided by 10?

5. What is $1,000 + 100 + 10 + 1 - 999$?

6. It is currently 2:30 AM. What number will the minute hand of a clock be closest to after 110 minutes?

7. Devin the dog is rolling in the dirt. Currently, Devin is laying face up. If he rolls 90 degrees to the right, 180 degrees to the left, and then 360 degrees right, how many times did the tip of Devin's nose touch the dirt?

8. Kai is drawing lines on a piece of paper. If he draws three distinct lines, what is the greatest possible number of intersection points between the lines?

9. Briana has an 8 by 10-inch rectangle. Brian cuts away a 2 by 3-inch rectangle from two different corners of Briana's rectangle. What is the perimeter of this new shape?

10. Katie the cat spends 2 hours a day eating, 18 hours a day sleeping, 2 hours a day playing, and 2 hours a day scratching her owner. What percent of her day does she spend asleep?

Solutions

1. 4

2. 150

3. 10% or $\frac{1}{10}$

4. 2

5. 112

6. 4

7. 1

8. 3

9. 36

10. 75% or $\frac{3}{4}$